

ALPHABETICAL
 LIST

BIOLACTIVE
 PEPTIDES

BIOMEDICAL
 CHEMICALS

BIOTECHNOLOGY
 BIOLOGY

CELL REGENERATION
 SIGNAL
 TRANSDUCTION

CELL
 CULTURE

OTHER
 PRODUCT
 GROUPS

EQUIPMENT,
 BOOKS AND
 SUPPLIES

DIAGNOSTIC
 KITS AND
 REAGENTS

PRODUCT
 INDEX

シグマ総合カタログ

ライフサイエンス研究用試薬



SIGMA®

ALPHABETICAL LIST OF COMPOUNDS

PRODUCT
NUMBERPRODUCT
NUMBER

SHIFT REAGENTS FOR NMR

See:

tris(6,6,7,7,8,8,8-Heptafluoro-2,2-dimethyl-3,5-octanedionato) Page 1036
tris(3-(Heptafluoropropylhydroxymethylene)-d-camphorato) Page 1036
tris(3-(Heptafluoropropylhydroxymethylene)-l-camphorato) Page 1036
tris(3-(Trifluoromethylhydroxymethylene)-d-camphorato) Page 1037

S 5375 (-)SHIKIMIC ACID 100 mg 1,900
(1-13 α ,4 α ,5 β -Trihydroxy-1-cyclohexene-1-carboxylic acid) 500 mg 7,600
Minimum 99% 1 g 11,600
Biosynthetic precursor of aromatic amino acids, as well as many alkaloids and other aromatic metabolites. 5 g 45,800
Ref.: Haslam, E. The Shikimate Pathway, Halsted Press (New York, 1974).
[138-590] C₇H₁₀O₆ FW 174.2

SIALIC ACID

See: N-Acetylneuraminic Acid Page 41

SIALIC ACID ALDOLASE

See: N-Acetylneuraminic Acid Aldolase Page 41

SIALIDASE

See: Neuraminidase Page 749

SIALYL FUCOSYLACTOSE

See: 3'-N-Acetylneuraminyl-3-fucosylactose Page 42

SIALYLACTOSE

See: N-Acetylneuraminyllactose Page 42

S 2279 3'-SIALYL-LEWIS-X TETRASACCHARIDE 200 μ g 13,400
CHARIDE 1 mg 47,100
(α -NeuNAc(1 \rightarrow 3)- β -D-Gal(1 \rightarrow 3)-[α -1-Fuc(1 \rightarrow 4)]- β -D-GlcNAc)
Free Acid
Synthetic
Antigen which supports E-, L-, and P-selectin-dependent adhesion.
Ref.: Feizi, T., Curr. Opinions in Struct. Biol., 3, 701 (1993).
[92448-22-1] C₃₁H₅₂N₂O₃₂ FW 820.8

S 1782 3'-SIALYL-LEWIS-X TETRASACCHARIDE 200 μ g 13,400
TETRASACCHARIDE 1 mg 47,100
(α -NeuNAc(1 \rightarrow 3)- β -D-Gal(1 \rightarrow 4)]- α -1-Fuc(1 \rightarrow 3)]- β -D-GlcNAc)
Free Acid
Synthetic
Antigen which binds to endothelial adhesion molecule, E-selectin.
Ref.: Feizi, T., Curr. Opinions in Struct. Biol., 3, 701 (1993).
[98603-84-0] C₃₁H₅₂N₂O₃₂ FW 820.8

S 2769 SIALYLTRANSFERASE 0.1 unit 17,900
(EC 2.4.99.1) Shipped in wet ice
From Rat Liver
Solution in 50% glycerol containing 0.45 M NaCl, 0.08% Triton CF-54, and 35 mM sodium cacodylate, pH 8.
Activity: Approx. 2 units per ml.
Unit Definition: One unit will transfer 1.0 μ moles of N-acetylneuraminic acid from CMP-N-acetylneuraminic acid to asialofetuin per min at pH 6.5 at 37°C.
Ref.: Weinstein, J., et al., J. Biol. Chem., 257, 13845 (1982).
[9025-81-4]
R: 20/21/22-36-40 S: 26-36

SIDEROPHILIN

See: Transferrin, Human Page 1017

SIGMA 7-9

See: TRIZMA® Page 1040

SIGMACELL®

See: Cellulose Page 238

SL-2
(2-25)

SIGMACOTE®

A special silicone solution in heptane that easily forms a tight, microscopically thin film on glass, retards clotting of blood or plasma; water repellent.
Ready to use without dilution; reusable if kept free of moisture.

25 ml 5,400
100 ml 10,900
6 x 100 ml 51,400

R: 11-20/22-36/37/38 S: 16-26-36/37/39-23

Equipment - Books - Supplies

For a full selection
See: Page 2216

SIGMA ENZYME CONTROLS

Assayed, freeze-dried preparations containing the following enzymes in a nonhuman protein matrix: acid phosphatase, alanine aminotransferase (ALT/GPT), aldolase, alkaline phosphatase, α -amylase, aspartate aminotransferase (AST/GOT), γ -glutamyl transpeptidase, α -hydroxybutyrate dehydrogenase, lactate dehydrogenase, leucine aminopeptidase, lipase, phosphohexose isomerase

S 1005 2E - For elevated enzyme levels 10 x 3 ml 18,500

S 2005 2N - For normal enzyme levels 10 x 3 ml 18,500

SIGMA-FLUOR™ LIQUID SCINTILLATION COCKTAILS

See: Radiochemicals Section Page 2194

800-1 SIGMA LIPASE SUBSTRATE 90 ml 5,400
For Serum Lipase Determination using Sigma Technical Bulletin No. 800.
See Diagnostic Kits and Reagents Section.
R: 36/37/38 S: 26-36

S 3005 SIGMA METABOLITE CONTROL, ELEVATED 6 x 5 ml 19,300

An assayed, freeze-dried preparation containing elevated levels of L-lactate, pyruvate, phenylalanine, and 2,3-diphosphoglyceric acid in a nonhuman protein matrix.
R: 21/22-32 S: 7-36/37